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(54) Title: NOVEL TARGETED COMPOSITIONS FOR DIAGNOSTIC AND THERAPEUTIC USE

(57) Abstract: Novel targeted compositions which may be used for diagnostic and therapeutic use. The compositions can be used in conjunction with diagnostic imaging, such as ultrasound, as well as therapeutic applications, such as therapeutic ultrasound.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/02024

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61B 8/00, 10/00; A61K 9/14, 9/16, 9/50  
US CL : 424/9.5, 9.51, 9.52, 9.6, 489, 490, 498, 499, 502.

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/9.5, 9.51, 9.52, 9.6, 489, 490, 498, 499, 502.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,159,445A (KLAVENESS et al) 12 DECEMBER 2000, see the entire document.	1-116
Y	US 5,919,434A (DUGSTAD et al) 06 JULY 1999, see the entire document	1-116
Y	US 2001/00312243A1 (UNGER) 18 OCTOBER 2001, see the entire documents.	1-116
Y	US 6,165,442A (SWAERD-NORDMO et al), 26 DECEMBER 2000, see the entire document.	1-116
Y	US 6,123,923 A (UNGER et al) 26 SEPTEMBER 2000, see the entire document	1-116
Y	US 6,231,834 B1 (UNGER et al) 15 MAY 2001, see the entire document.	1-116



Further documents are listed in the continuation of Box C.



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\*

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"P"

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

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**INTERNATIONAL SEARCH REPORT**

PCT/US03/02024

**Continuation of B. FIELDS SEARCHED Item 3:**

MEDLINE, CAS ONLINE search terms: ultrasound, lipid vesicle, phospholipid, perfluorocarbon, polyethylene glycol, vascular plaque, phosphatidyl serine.